

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **Lyme Disease Vaccines**

the specification of was filed on **April 24, 2001** as Application Serial No. **09/830,230**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

| <u>Priority Claimed</u> |    |
|-------------------------|----|
| Yes                     | No |

| <u>(Number)</u> | <u>(Country)</u> | <u>(Day/Month/Year Filed)</u> |
|-----------------|------------------|-------------------------------|
|-----------------|------------------|-------------------------------|

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

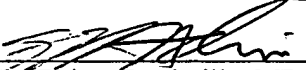
|                                 |                          |
|---------------------------------|--------------------------|
| <u>60/050,359</u>               | <u>June 20, 1997</u>     |
| <u>(Application Serial No.)</u> | <u>(Filing Date)</u>     |
| <u>60/053,377</u>               | <u>July 22, 1997</u>     |
| <u>(Application Serial No.)</u> | <u>(Filing Date)</u>     |
| <u>60/053,344</u>               | <u>July 22, 1997</u>     |
| <u>(Application Serial No.)</u> | <u>(Filing Date)</u>     |
| <u>60/057,483</u>               | <u>September 3, 1997</u> |
| <u>(Application Serial No.)</u> | <u>(Filing Date)</u>     |


I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

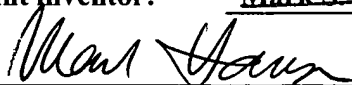
|                                 |                      |   |
|---------------------------------|----------------------|---|
| <u>PCT/US98/12718</u>           | <u>June 18, 1998</u> | <u>Pending</u>                                |
| <u>(Application Serial No.)</u> | <u>(Filing Date)</u> | <u>(Status: patented, pending, abandoned)</u> |

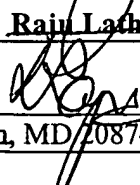
⑦ I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Joseph Kenny (Reg. No. 43,710), Jonathan L. Klein (Reg. No. 41,119), Michele Wales (Reg. No. 43,975), Mark J. Hyman (Reg. No. 46,789) and Janet M. Martineau (Reg. No. 46,903) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20878.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

100  
Full name of first joint inventor: Gil H. Choi  
Inventor's signature:  Date: 9/26/01  
Residence: 11429 Potomac Oaks Drive, Rockville, MD 20850 MD Citizenship: ~~UK~~ US  
Post Office Address: same as above GHC

200  
Full name of additional joint inventor: Alice L. Erwin  
Inventor's signature:  Date: 8/27/01  
Residence: 7759 26<sup>th</sup> Avenue, NW, Seattle, WA, 98119 WA Citizenship: US  
Post Office Address: same as above

300  
Full name of additional joint inventor: Mark S. Hanson  
Inventor's signature:  Date: 9/25/01  
Residence: 7013 Woodscape Drive, Clarksville, MD, 2109 MD Citizenship: US  
Post Office Address: same as above

400  
Full name of additional joint inventor: Raju Lathigra  
Inventor's signature:  Date: 9/4/01  
Residence: 19051 Steeple Place, Germantown, MD, 20874 MD Citizenship: IN  
Post Office Address: same as above